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PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
)  
**Kim et al.** )  
)  
Serial No.: **10/620,477** ) **Examiner: Ghulamali, Qutbuddin**  
)  
Filed: **July 15, 2003** ) **Art Unit: 2637**  
)  
For: **Adaptive Noise Filtering and** ) **Confirmation No. 8614**  
**Equalization for Optimal High** )  
**Speed Multilevel Signal Decoding** )

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

March 30, 2005

04/04/2005 WASFAW1 00000022 10620477  
01 FC:1806 180.00 OP

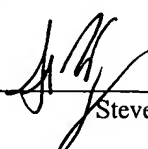
Sir:

Applicants cite the information on the attached Form PTO-1449, "List of Information Disclosed by Applicant," pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98. The filing date of the subject application is after June 30, 2003. Accordingly, Applicants have not enclosed a copy of any cited U.S. patents or U.S. patent application publications. Applicants have enclosed a copy of each cited foreign patent document and non-patent literature.

The citation of this information does not constitute an admission of priority or that any cited item is available as a reference, or a waiver of any right the applicant may have under applicable statutes, Rules of Practice in patent cases, or otherwise.


This IDS is being filed under 37 C.F.R. § 1.97(c) which is before the mailing date of a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.R. § 1.97(c)(1)) or before the

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on March 30, 2005.

  
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mailing date of a Notice of Allowance under 37 C.F.R. § 1.311 (See 37 C.F.R. § 1.97(c)(2)).  
Therefore, a fee in the amount of \$180 as required by 37 C.F.R. § 1.17(p) is attached to this IDS.

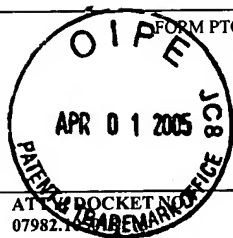
Respectfully submitted,



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K&S Docket: 07982.105018 US  
3725158

FORM PTO-1449, Adapted

**LIST OF INFORMATION DISCLOSED BY APPLICANT**

(Use several sheets if necessary)

AT & T DOCKET NO. 07982.1	SERIAL NO. 10/620,477	FILING DATE July 15, 2003
APPLICANT Kim et al.		GROUP 2637

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,428,831	6/27/1995	Monzello et al.	455	296	1/8/1993
	AB	5,444,864	8/22/1995	Smith, Winthrop W.	455	84	12/22/1992
	AC	5,606,734	2/25/1997	Bahu, Mark B.	455	303	3/2/1993
	AD	5,691,978	11/25/1997	Kenworthy, Gary Robert	370	278	1/21/1997
	AE	6,011,952	1/4/2000	Dankberg et al.	455	24	1/20/1998
	AF	6,169,912 B1	1/2/2001	Zuckerman, Lawrence H.	455	570	3/31/1999
	AG	6,311,045 B1	10/30/2001	Domokos, John	455	78	7/28/1998
	AH	6,313,713 B1	11/6/2001	Ho et al.	333	1.1	9/28/1999
	AI	6,539,204 B1	3/25/2003	Marsh et al.	455	63	9/29/2000
	AJ						

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	NAME	TRANSLATION	
						YES	NO
	AK	WO 2005/018134 A2	2/24/2005	PCT	Quellan, Inc.		

**OTHER REFERENCES** (Including Author, Title, Date, Pertinent Pages, Etc.)

	AL	Kannangara et al.; <i>Adaptive Duplexer for Multiband Transceiver</i> ; Radio and Wireless Conference; August 10-13, 2003; RAWCON '03; pp. 381-384
	AM	Kannangara et al.; <i>Adaptive Duplexer for Software Radio</i> ; Approximate Date: November 11-13, 2002
	AN	Kannangara et al.; <i>An Algorithm to Use in Adaptive Wideband Duplexer for Software Radio</i> ; IEICE Transactions on Communications; December 2003; Vol. E86-B, No. 12; pp. 3452-3455
	AO	Kannangara et al.; <i>Performance Analysis of the Cancellation Unit in an Adaptive Wideband Duplexer for Software Radio</i> ; ATcrc Telecommunications and Networking Conference & Workshop, Melbourne, Australia, December 11-12, 2003
	AP	Williamson et al., <i>Performance Analysis of Adaptive Wideband Duplexer</i> ; 2003 Australian Telecommunications, Networks and Applications Conference (ATNAC); December 8-10, 2003
	AQ	

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EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	